

Title (en)

METHOD FOR PRODUCING 3, 6-DISUBSTITUTED IMIDAZO[1, 2-b]PYRIDAZINE DERIVATIVE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON 3,6-DISUBSTITUIERTEM IMIDAZO[1,2-B]PYRIDAZINDERIVAT

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN DÉRIVÉ D'IMIDAZO[1, 2-b]PYRIDAZINE À DISUBSTITUTION EN POSITION 3, 6

Publication

EP 3597648 B1 20230607 (EN)

Application

EP 18766623 A 20180313

Priority

- JP 2017049138 A 20170314
- JP 2018009596 W 20180313

Abstract (en)

[origin: EP3597648A1] Provided is an industrially useful novel method for producing a 3,6-disubstituted-imidazo[1,2-b]pyridazine derivative. The present invention provides a method for producing a 3,6-disubstituted-imidazo[1,2-b]pyridazine derivative using an aromatic substitution reaction utilizing C-H activation catalyzed by palladium, using 6-fluoroimidazo[1,2-b]pyridazine as a starting material.

IPC 8 full level

C07D 487/04 (2006.01); **A61K 31/5025** (2006.01); **A61P 35/00** (2006.01); **C07B 61/00** (2006.01)

CPC (source: CN EP US)

C07C 55/14 (2013.01 - EP); **C07D 487/04** (2013.01 - CN EP US); **A61K 31/5025** (2013.01 - EP); **A61P 35/00** (2017.12 - EP); **C07B 61/00** (2013.01 - EP); **C07B 2200/13** (2013.01 - CN); **Y02P 20/55** (2015.11 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3597648 A1 20200122; **EP 3597648 A4 20201014**; **EP 3597648 B1 20230607**; **EP 3597648 C0 20230607**; AU 2018234027 A1 20191031; AU 2018234027 B2 20211209; CA 3055504 A1 20180920; CN 110418792 A 20191105; CN 110418792 B 20220705; CN 114773351 A 20220722; EP 4101853 A1 20221214; ES 2947326 T3 20230804; HR P20230764 T1 20231013; HU E063830 T2 20240228; JP 2022105746 A 20220714; JP 2023171735 A 20231205; JP 7082608 B2 20220608; JP 7384963 B2 20231121; JP WO2018168815 A1 20200423; PL 3597648 T3 20230724; RS 64354 B1 20230831; US 11028091 B2 20210608; US 11667642 B2 20230606; US 2020062765 A1 20200227; US 2021171532 A1 20210610; US 2023227459 A1 20230720; WO 2018168815 A1 20180920

DOCDB simple family (application)

EP 18766623 A 20180313; AU 2018234027 A 20180313; CA 3055504 A 20180313; CN 201880017847 A 20180313; CN 202210636460 A 20180313; EP 22186787 A 20180313; ES 18766623 T 20180313; HR P20230764 T 20180313; HU E18766623 A 20180313; JP 2018009596 W 20180313; JP 2019506027 A 20180313; JP 2022086917 A 20220527; JP 2023143544 A 20230905; PL 18766623 T 20180313; RS P20230550 A 20180313; US 201816494116 A 20180313; US 202117164684 A 20210201; US 202318183039 A 20230313